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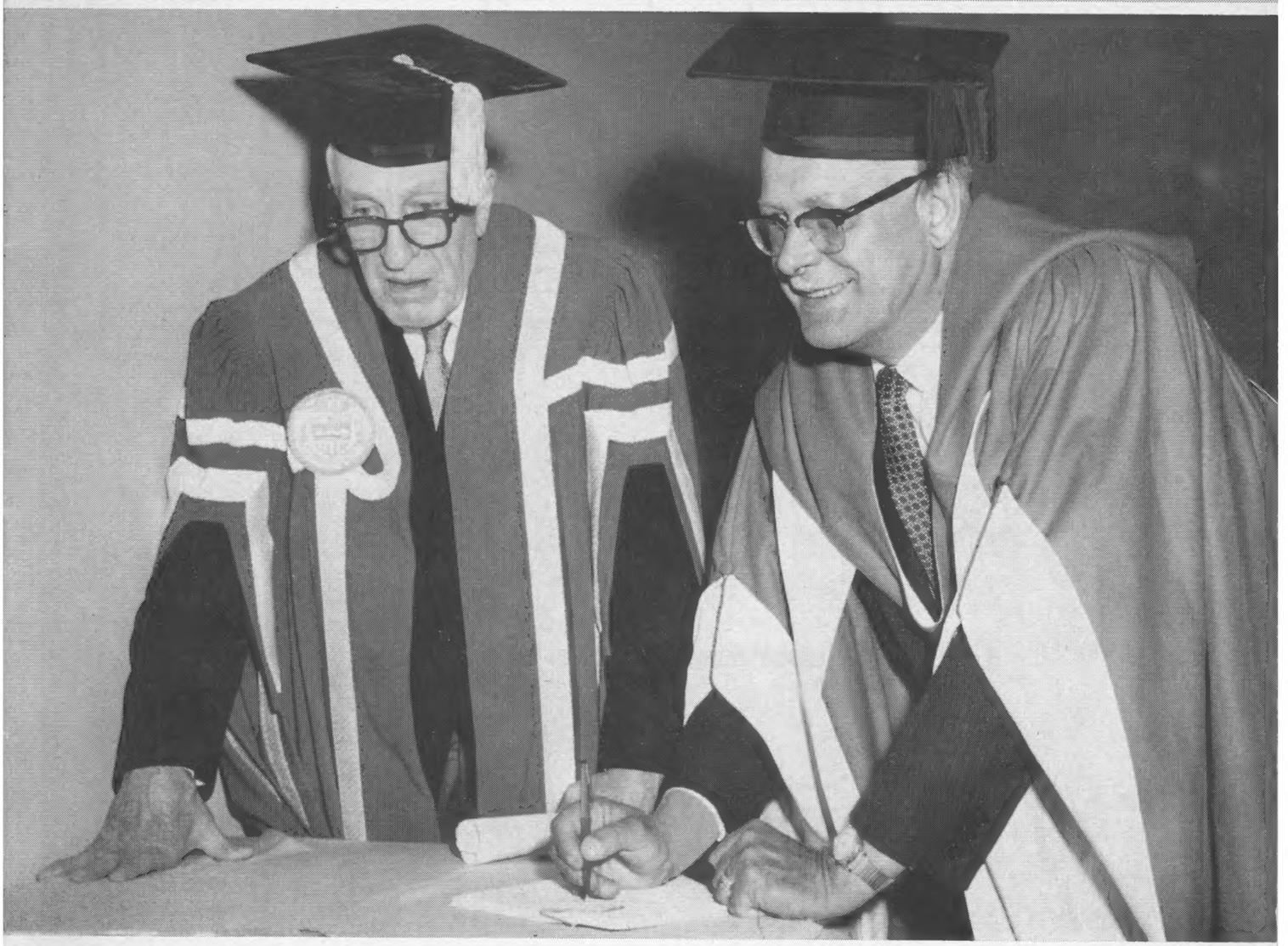

A Proud Day for a Proud Son

See Spring Convocation Section Page 6

"Democracy's

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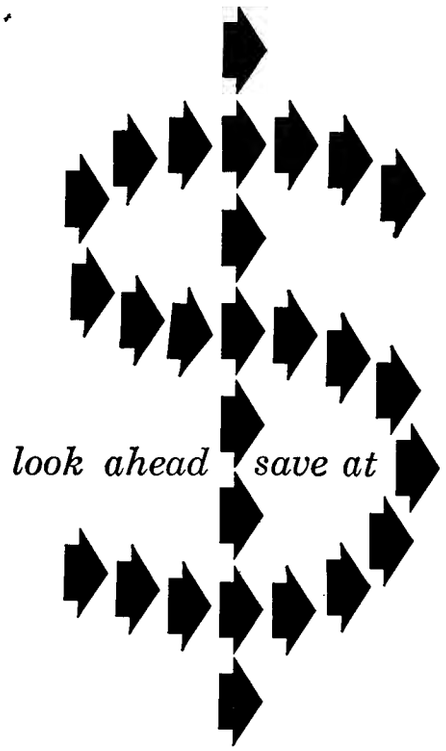

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The President's Report

Spring Convocation, 1961

"I should like at this point to record our appreciation of the sympathetic understanding and support accorded to the University by the Government and the people of Alberta, including such groups as the Alumni and The Friends of the University. Although the budget for buildings is drastically reduced this year as compared with the previous two years, this was to be expected after the heavy program of construction now nearing completion. Even so the Province has set aside more than six million dollars for capital equipment, buildings, and such sundry items as alterations, paving, and street lighting, for the present fiscal year. The cost of alterations to existing buildings, chiefly the older wings of the Medical Building, is over a million dollars. At the same time the Province is contributing eight million dollars to the University's current operating budget of nearly sixteen and a half million . . .

So far, I have said little about the academic work of the University which is its main concern. There is, however, an understandable difficulty in recording in a brief compass the activities of 755 members of the instructional staff including 487 who work on a full-time basis, or even touching on the work of over 80 Departments and Divisions in 14 separate Faculties and Schools . . .

General Faculty Council has this year approved a new two-year diploma program for the training of young women as Dental Auxiliaries, and it has set up a Board of Examiners in Dietetics by agreement with the Alberta Registered Dietitians Association. Major changes were approved in the curriculum of the Faculty of Agriculture and new courses added.

New courses were added and course changes approved in nearly every Department of the Faculty of Arts and Science. Several programs were altered and a new Honours program in Microbiology was approved. The Faculty of Education revised several of its programs, particularly that leading to the B.Ed. degree by the Secondary route. The Faculty of Pharmacy introduced an optional fourth year for selected students wishing to specialize in Retail Pharmacy, and Pharmaceutical Science . . .

On the Banff campus the School of Advanced Management has recently completed its most successful course yet with 78 students registered. The Director reports that from April 1, 1960 to March 21, 1961, the School accommodated 185 groups for educational programs of one kind or another with about 9,000 persons in attendance. Last year's summer school of Fine Arts was the largest in history with 836 students from every province in Canada, 28 from the United States, and several other countries. The registration so far this year indicates that even these figures will be surpassed in 1961.

Our own academic summer session became so large last year with over 3,000 students registered that it was decided to open a summer school in Calgary this year. Already there have been about 600 students registered which indicates that this school should be regarded as a permanent part of our summer program in the future. When all these figures are added to the Evening Credit Program of well over 1,000 students in 40 courses the University's contribution to higher education is seen to be very large indeed over a twelve-month period."

An Address to Convocation . . .

"Science in the Schoolroom"

By W. R. Wees

●

From the beginning of history, men have been concerned with "betterment", each with his own betterment, or with the betterment of somebody else, or with the betterment of mankind. A public address such as this, therefore, is invariably accepted as an opportunity to tell those who will listen how to improve something or other. "What this country needs . . . " says the speaker. In religion, what this country constantly needs is salvation; in education what this country needs is nearly always a Royal Commission; in politics, what this country needs is usually the speaker himself.

This compulsion to tell people what they need began a long way back. The serpent tempting Eve with the apple had a small audience, but even then he was saying, "Eve, what you two need . . . ".

From this first recorded conversation, the evangelist in each of us was conceived. Thus, Jeremiah cried for Judah from the walls of Jerusalem; Socrates plead for truth in the streets of Athens; thus, St. Paul now and again blew his top, and thus you and I devise each his plan for a better world, or, at the very least, a greatly needed improvement in his closest friends.

What Canada may need at the moment varies according to the newspaper one reads or the person to whom one listens. The *Toronto Daily Star,* in a recent issue, carried news stories, editorials or letters demanding for Canada fulfillment of a host of needs ranging from a new Governor for the Bank of Canada to courses in courtesy for hockey players. One writer said, "What Canada does not need is another Toronto; we can hardly stand the one we have."

An enthusiasm that has become vocal in the last two years has been widely expressed in an evangelism for more science in schools, thicker science textbooks in the high schools and more tadpoles in grade-one classrooms. The evangelists have made quick conversions. There is a fervor for science reminiscent of the fervor for Methodism in the days of John Wesley.

Nobody, in fact, is against science, just as in John Wesley's time even the Anglican bishops would not admit that they were against religion. But there *are* people who sigh — old people that is — who sigh, and say that they wish things didn't happen quite so fast. They have a point, in a way. Hannibal and his elephants represent a far more romantic way of waging war than does an explosion that a million people didn't hear, because those million people were dead.

Other critics, less romantic, are concerned about the content and direction of science. Brock Chisholm, for example, formerly director-general of the World Health Organization, would have us learn how to feed the starving other half of the world before we leap over stars. Other medical scientists are worried about all the huffing and puffing we do as we run to keep up with ourselves. The social scientist wants to know whether man can create a social organization strong enough soon enough to save himself from the enormity of his own mind. And the philosopher, in a vein of irony, asks how can we expect to handle the Martians when we don't even know what to do with ourselves. The philosopher has been heard to say that a cosmic observer in space, looking at us with a cosmic eye, might assume, indeed, that mankind had reached a state of racial anxiety neurosis, with much the same aimless running about as might be produced by a great boot in an ant-hill.

The Canadian schoolman, usually not much of a scientist and only a humdrum sort of philosopher at best, can hardly reach the levels of higher criticism of the scientist and the philosopher. At the same time, if there is to be more science in the schools, it is the schoolman's job to put it there, and he feels duty bound to examine the hue and cry before he starts running with the multitude. He pauses, therefore, to ask three questions.

The schoolman's first question is this: is the crying need for more science in the schools really a need in Canada, or is the cry merely another echo from the educational hiccups of our neighbours? Beginning with Egerton Ryerson, who stated blandly in his report of 1846 that the educational policies he recommended were borrowed, the schoolman cannot find a single Canadian invention in education. The whole history of education in Canada is one of imitation and can be quickly summarized:

First, there was the Massachusetts Age, then the Irish Age, followed by the Where-Do-We-Go-From-Here Age; then the Thorndike Age (and we haven't got Thorndike out of our system yet); came the Dewey Age, a poor attempt to interpret a great man; and now — is this to be the Sputnik Age? Has Canadian democracy come only thus far that we must emulate the kind of education that produced a sky-full of flying hardware but has not taught man

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the cover . . .

Dr. Wilfred Rusk Wees, distinguished author, playwright and publisher, returned to receive a fourth degree from his Alma Mater at the 51st Annual Convocation in the Jubilee Auditorium.

Following the ceremony, Dr. Wees and Chancellor L. Y. Cairns, left, met in the club room to sign the guest register. "The New Trail" is proud to print in its entirety Dr. Wees' penetrating address to Convocation entitled, "Science in the Schoolroom".

how to live with man? Perhaps we should. The schoolman believes, however, that for the first time in our brief Canadian history, we should examine a major educational proposal and assess it in relation to Canadian needs, and the needs of Canadian children. To take an example: for which do we Canadians, in this, the latter half of the twentieth century, have the greater need: for things or for ideas?

The second question:

Assuming that spatial laws apply also to time, the schoolman says that more science in the classroom, under present methods of teaching, must mean less of something else. What, he asks, shall we teach less of? The Royal Commission on Education in British Columbia says less of the arts. In a country whose barbershop quartets sing songs of the American Civil War, whose national periodical literature consists of three struggling magazines in a drugstore-full of imports, in a country whose English-language publishers, all thirty of them together, can produce in one year fewer new titles than *one* publisher in Sweden, in a new, hard-hewing country such as ours, asks the schoolman, should we sacrifice the arts to science? And, if not the arts, what?

The third question:

Do we really need *more* science in science in the schools, or do we *really* need better teaching of what is taught?

Are we teaching now to promote intellectual growth or merely to give the child a bundle of tricks that we try to hallow by calling them skills?

Do we take the stream of the child's wonderfully inquiring mind and direct it into power-houses of discovery, or do we just let it flow to the sea, loaded with the silt that we call facts? The schoolman believes that the wasted potential of inquiry and discovery in the minds of one generation of Canadian children could transform both our intellectual and our natural wildernesses. The Athenians made fun of Socrates's school by calling it a phrontistery, a thinking shop. Would that more of our classrooms were thinking shops, places not for fact-swallowing but fact-finding.

Honorary LL.D. degrees were conferred on six men at the University of Alberta's 51st Convocation held in the Jubilee Auditorium. Seen with the Chancellor and President of the University are the honorary degree recipients, left to right: Dr. Harrison Scott Brown, professor of geochemistry at the California Institute of Technology; Dr. Gerhard Herzberg, director of the division of pure physics, National Research Council of Canada; Dr. George Polya, former professor of mathematics at Harvard and professor emeritus at Stanford University in California; Chancellor L. Y. Cairs; President Walter H. Johns; Hon. J. Percy Page, Lieutenant-Governor of Alberta; Dr. Wilfred Rusk Wees, vice-president and manager of the textbook division of W. J. Gage and Co. Ltd., Toronto, who delivered the Convocation address; Mr. Justice Hugh John Macdonald, Supreme Court of Alberta.

There's a queer thing about facts in education: give them to the child in large doses on a spoon, as we do frequently in the classroom, and he chokes on them, becomes educationally sick and drops out of school. But educate the child by a process through which he discovers facts for himself and he's away; there is no power that can stop the power of his inquiring mind. This is a thing that the mathematicians, the first group to accept the New Enlightenment in education, have just found out: force the fact on the child that two plus two make four, and the poor little kid will do his best to go along with you; but guide him to discover it for himself and before you know it, under your guidance, he will have turned it into the binomial theorem.

Francis Bacon showed western civilization the way to intellectual discovery over three hundred years ago, and so lit the great light of science. Comenius immediately showed us how to apply Bacon's thesis in our classrooms.

The scientist has gone on from Bacon at an unimaginable clip. But in the classroom we never seem to learn. Schools are still scared of witches.

A witch is a deviationist, a diviner, intuitively discovering truths unrevealed to men whose minds are clouded by the prejudice of fact. Joan of Arc was a witch. Joan of Arc is a saint. And the schoolman has never known a child who was not a Joan. But what do we do with these little people, half witch, half saint? We teach them as if they were us.

This is the most difficult and the most serious problem in a democracy: where, and especially, *how*, to draw the line between conformity and individuality; how to teach the known and still hold open the doors to the unknown. And in the solution of this problem, we are still subject, it seems, to the mechanists, the proponents of the conditioned response as the way to learning.

Nobody in education has bedevilled the educational intellect more completely than the mechanists, me-

chanists in psychology and mechanists in educational theory. To the mechanist, the mind is a machine, subject to adjustment for speed and accuracy as any machine is.

The latest contribution of the psychological mechanist to education is the teaching machine. Beware of calling the teaching machine a gadget; its use is profoundly based on the mechanists' theory of learning, implicit in which is the assumption that the brains of birds and the minds of children work in the same way. The teaching machine was conceived as a result of experimentation with birds.

Concerned, as he is, with birdbrains, the mechanist overlooks the witchery in the child's mind, the way in which the child, with explosions of insight, storms the castles of the unknown. The teaching machine—and I regret to say that most of our textbooks are little more than teaching machines—limits the child to what is, refusing excursions into what could be. Thus it ensures that the mind of the new generation can learn no more than the old generation knows. Such teaching may well result in the perpetuation of ignorance, or, as Stefansson puts it, The Standardization of Error. If the psychologist had put his mind to the invention of a device to stop science dead in its tracks, he would have had to invent the teaching machine.

As the schoolman understands science, the real contribution that he can make to the promotion of science in the schoolroom is to create inquiring minds, to encourage the searching mind, the mind that seeks out constantly the principles that animate both life and matter, the mind that *must* understand the structure and the form of man in his garden. The schoolman does not see knowledge as a thing to hold until it becomes a superstition, but as Eve saw knowledge, "a tree to be desired to make one wise".

Excerpts from . . .

The President's Report

Medical-Dental Convocation, 1961

" . . . I should like to begin by referring to the addition to the Medical Sciences Building, officially opened this morning by the Minister of Health, The Honorable Dr. J. Donovan Ross. This addition, almost as large as the original Medical Building itself, is six stories high, contains 139,000 gross square feet of floor space, and cost approximately $2,750,000 . . .

This modern and capacious building will provide better facilities not only for the basic Sciences of Medicine—anatomy, physiology, pharmacology, biochemistry, and surgical and medical research, but also for the related fields of pharmaceutical science, dentistry, nursing, physical and occupational therapy, and microbiology . . .

The medical curriculum has undergone a major revision over the past few years. The effectiveness of these changes is currently under review, and the whole curriculum will be examined, by an internationally known expert on medical education, this fall at a special conference scheduled for October . . .

The Medical faculty are continuing their efforts to promote graduate training for young doctors with a view to their obtaining specialist certification or fellowship in the Royal College of Physicians and Surgeons of Canada in their respective fields. There are at present 39 trainees working under the direction of the committee on graduate training, of whom 36 are carrying on their studies in Edmonton. Dean MacKenzie reports that 56 trainees have completed this program to date, of whom 35 are now resident in Alberta and ten others elsewhere in western Canada. Of this group 22 are on the teaching staff of the University.

The undergraduate program is also developing well, and this past year

A particularly pleasant gathering was the traditional Alumni Convocation Dinner held the night before Spring Convocation in the social room of the Jubilee Auditorium. Some 350 graduands, their parents and friends enjoyed a convivial evening studded with interesting toasts and graced by several interesting personalities. Guest speaker was Dr. Harrison Scott Brown, California Institute of Technology, who highlighted the evening with a provocative address entitled, "The Future of Industrial Civilization".

saw the largest enrolment in the history of the faculty. Sixty-five students entered first year last fall, of whom 59 were from Alberta, making a total of 258 students in the faculty —seven more than last year. Three years ago the faculty instituted a course in medical laboratory science, and the first group of students enrolled in this program were eligible to take the examinations of the Canadian Society of Laboratory Technologists last fall. Of this group, four continued for an additional year and received the degree of Bachelor of Science in medical laboratory science at the regular Convocation held on May 25th, the first time this degree has been granted by the University of Alberta. The course seems to be in the process of becoming recognized as an attractive one for a career, since 23 students registered in it last fall, including three men.

The recruiting of staff for the Faculty of Medicine is not an easy task, but substantial progress was made again this past year. We now have our first geographic full-time appointment in anaesthesia and a number of outstanding men have joined our staff this year in several other departments. The department of bacteriology has been divided into two sections—one for medical bacteriology, housed in the Provincial Laboratory of Public Health, and the other for microbiology, housed in the Medical Sciences Building. Physiology and pharmacology have been divided into two departments with a new head appointed for pharmacology. The Surgical Medical Research Institute has begun operation in its new quarters, which are probably the best of their kind in Canada . . .

Registration in the Faculty of Dentistry was up to 135 this year, an increase of 17 over the previous year. With the new facilities, it is hoped to bring the enrolment up to 50 in each year—a total of 200 students in the undergraduate program . . .

Perhaps the most interesting development this year was the establishment of a special program for the training of dental auxiliaries to be inaugurated this September. After two years of training, students will be eligible for their diplomas as dental auxiliaries and for licensing under The Dental Auxiliary Act of Alberta. They will then carry on their professional work with the dental health teams in local health units throughout Alberta. This program has the support of the Minister of Health, who is largely responsible for initiating it, and successful applicants for admission to the program will be eligible to receive financial assistance from the Government of Alberta. We hope and expect that the graduates of this school will do much to assist the dentists in their work, particularly in the care of children's teeth.

A large and well-equipped teaching laboratory shared by the departments of physiology and pharmacology in the new wing of the Medical Sciences Building.

Dr. W. H. Swift, deputy minister of education, will be awarded the meritorious U. of A. Alumni Golden Jubilee Award at Fall Convocation in Calgary on Saturday, November 18th.

The Award, a framed citation, accompanied by a gilded tray, was initiated in 1958 and is placed annually by the Alumni Association with someone, not necessarily an alumnus of the University, who has contributed notably to the welfare of the institution, either directly or indirectly.

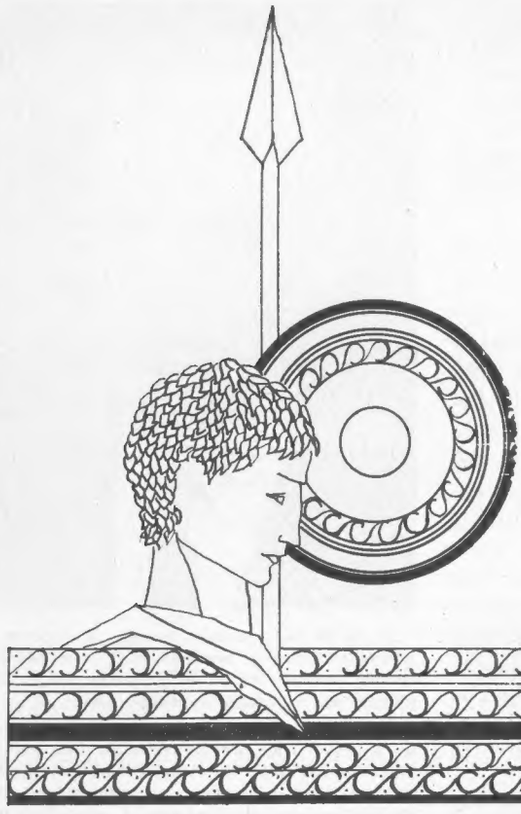
Previous Award winners were Dr. G. Fred McNally, Geoffrey B. Taylor and Maimie S. Simpson.

Dr. Swift, a distinguished alumnus of the University, received his B.A., M.A. and M.Ed. degrees from the University of Alberta and a Ph.D. from Stanford University in 1941. A former chief superintendent of schools for the province he has been deputy minister of education since 1946. In 1947 and 1948 Dr. Swift was president of the General Alumni Association of the University and over the years has been president or chairman of many local clubs and committees.

A long-time member of the Board of Governors of the University of Alberta, Dr. Swift represented Canada at the International Conference on Public Education held in Geneva, Switzerland in 1954 and 1960. He was a member of the Canadian delegation to the general conference of UNESCO held in Paris in 1958.

Two Honorary Degrees at Fall Convocation

The chairman of the National Energy Board, Ian Nicholson McKinnon, and Chief Justice Colin Campbell McLaurin of the trial division, Supreme Court of Alberta, will receive honorary Doctor of Laws degrees at the Fall Convocation of the University of Alberta to be held in Calgary, Saturday, November 18th.



PYRRHUS, King of Epirus, won a victory which cost him the flower of his army - "one more such victory and we are lost" he cried - hence a Pyrrhic victory. If anyone prides himself that "no insurance man has ever sold me anything" his victory also will prove to be like that of Pyrrhus.

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THE band of the P.P.C.L.I. lent a colorful touch to the official opening of the new addition to the Medical Sciences Building which was held early in June. The outdoor event saw President Walter Johns serve as chairman with the presentation of the building being made by Hon. J. Donovan Ross to Dr. C. M. Macleod who accepted on behalf of the Board of Governors.

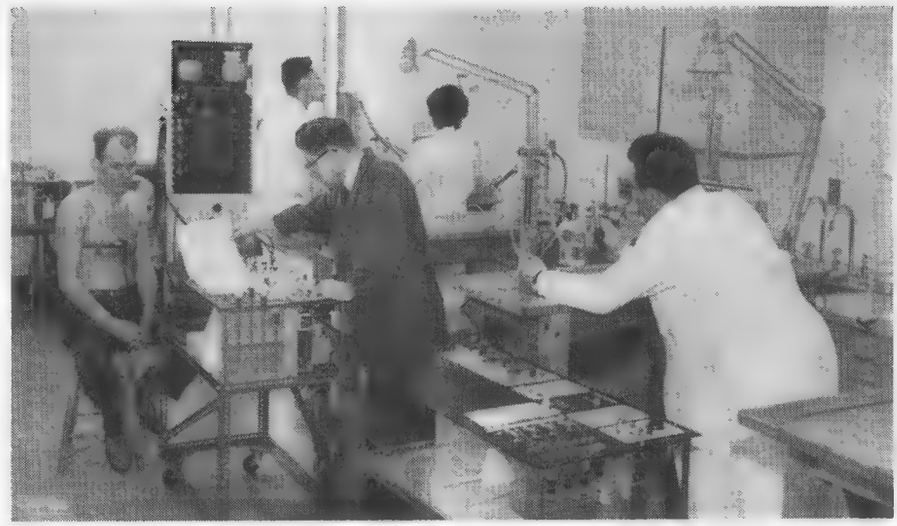
Following the official opening ceremonies there was a tour of the building by the official party followed by an open-house.

In his comments to the gathering President Johns remarked that the new addition will not only provide additional space, but will make it possible to include up-to-date facilities for the health science departments and to accommodate, as well, the schools of nursing and physical and occupational therapy.

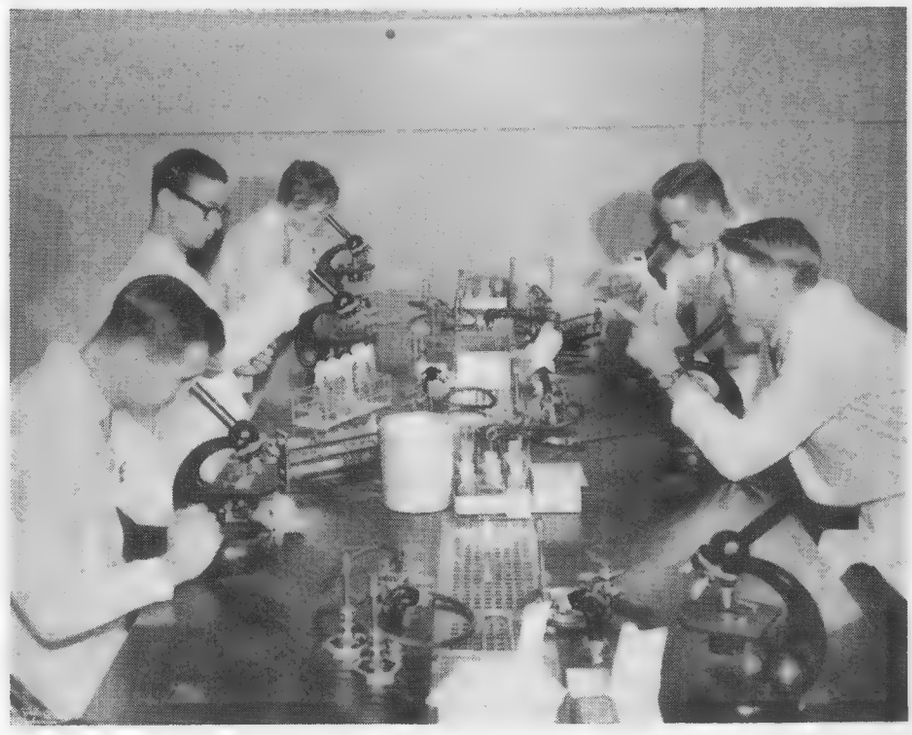
It has been recognized for sometime that the original Medical Building, which once accommodated the departments of chemistry, zoology and entomology, in addition to departments in the health sciences, has been inadequate to meet the needs of the departments in the faculties of medicine, dentistry and pharmacy.

The first portion of the Medical Sciences Building was completed in 1921 and stood unchanged until 1946 when the west wing was added to the north side of the original structure. In 1947 the east wing was built and in 1951 the McEachern Laboratory was placed between the two. The new addition makes use of all available space without removing any existing building.

As a result of other essential building on the University campus some departments formerly housed in the Medical Sciences Building have moved to new quarters and the space vacated can now be used for medical and allied sciences. The old parts of the building are being renovated to bring them up to the standards of the new addition. When this work is completed most departments will have more than double their previous area.



A close liaison exists between the departments of physiology and pharmacology in the new Medical Sciences Building. They share large and well-equipped teaching laboratories, smaller rooms outfitted for work in special projects and rooms designed for experiments on human subjects. The research facilities and space have been greatly improved in the provision of laboratory and office space for each staff member as well as specialized facilities such as an instrument room, drafting and photography room, seminar room, electronics and machine shops, electrically screened rooms and temperature controlled rooms. In addition, there are laboratory areas to provide space for visiting workers and postgraduate fellows. The departments also share a well-designed lecture-demonstration theatre which will accommodate all but the largest classes of students.



The bacteriology department trains undergraduate students of agriculture, general science and pharmacy as well as medical, dental and graduate students. As a diagnostic medical science bacteriology is best taught in close association with pathology and clinical work, and for that reason, this subject is also taught in the Provincial Laboratories of Public Health, shown here.

DISTINGUISHED speakers in the fields of the physical sciences dominated the official opening ceremonies of the Physical Sciences Centre on the day prior to Spring Convocation.

Presentation of the buildings, which represent the largest physics-mathematics-chemistry complex of its kind on any campus in Canada, was made by Premier E. C. Manning to Dr. C. M. Macleod who accepted the units on behalf of the Board of Governors. The official opening was made by The Honorable J. Percy Page, Lieutenant-Governor of Alberta, and the purpose of the buildings was outlined by Dr. H. E. Gunning, head of the department of chemistry. A keynote address for the occasion was delivered by Gerhard Herzberg, director of the division of pure physics of the National Research Council who took as his subject, "Physics in Canada".

Another outstanding scientist present was Dr. George Polya, Emeritus Professor, Stanford University, who spoke to a representative gathering the previous day on the subject, "Mathematical Discovery in the Classroom". Also lending prestige to the occasion was Dr. Harrison Scott Brown, Professor of Geochemistry, California Institute of Technology, who as guest speaker at the Alumni Convocation Dinner in the Jubilee Auditorium, took as his subject "The Future of Industrial Civilization".

Planning for the new Physical Sciences Centre started in 1956 when the departments of physics, chemistry and mathematics estimated their future space needs. The estimates were based upon an expected total student population of 6,500, with some room for expansion. It was possible to calculate fairly accurately the space needed for lecture rooms and undergraduate laboratories, and the number of staff that would be required. Adequate space was allowed for the various research projects which used to be crowded in the basement of the Arts Building and the Chemistry wing of the Medical Building, for new research projects which were anticipated, and for the expected very large increase in the number of graduate students. To this was added space for the University Computing Centre, for a Physical Sciences Library, for workshops, and for departmental offices and seminar conference rooms.

The architects developed a plan which resulted in efficient use of space, and at the same time made allowance for expansion, with the result that the buildings should be sufficient for the departments concerned when the total student population is between eight and nine thousand.

In order to save time, and to prevent the delay of a whole construction season, contracts were let for the foundation and structural steel as soon as the over-all size and general form of the buildings was determined. The sod was turned on October 30, 1958, while planning of the internal details was still going on.

The original contract called for 60 per cent of the space to be usable in time for the 1960-61 University session, with the balance to be completed in the spring of 1961. Actually, the work proceeded well ahead of schedule, and only some finishing touches remained to be done in September, 1960. Accordingly, the three departments moved in at that time, with only a slight delay in getting teaching laboratories reorganized for the new term. The old quarters, mainly in the Medical and Arts Buildings, have since been converted for other uses.

The mass spectrometer in use in the department of chemistry for routine analysis is the Metropolitan-Vickers MS-2 model. It is specially equipped for the determination of the isotopic composition of elements in a mercury-free system. The instrument is operated by a permanent technician.

Dr. Walter H. Worth has been named head of the division of elementary education in the faculty of education.

He will succeed Dr. William D. McDougall who retires at the end of August after serving at the University since 1945.

YOUR WILL

The University of Alberta noting an increase in bequests, suggests that the following simp'e form be used in making out a will favorable to it.

"I hereby give and bequeath to the University of Alberta the sum of ..... for ....., the receipt of the University to be a good and sufficient acquittance to my executors and trustees."

Such a clause in a will is sufficient assurance the aims and purposes of your philanthropy will be carried out by the University as a beneficiary and in accordance with directions given to the University.

To assure that your bequest will be of the most benefit to the University, the use to which your bequest is directed should be arranged with the recipient.

It is desirable that your bequest be left unrestricted so that the governing board of the University may decide at the time of receipt the most useful p'ace for your benefaction to be applied.

Russian For Science Students

Two University of Alberta professors, O. Starchuk and H. Chanal, have collaborated to produce the first comprehensive text on "Russian for Science Students". The book, giving a reasonable, systematic treatment of scientific Russian with emphasis on forms useful in scientific prose, is designed for the great many scientists and science students in the English-speaking world who are looking for a shortcut towards a sound reading knowledge of Russian scientific literature.

In 1957 Professors Starchuk and Chanal, both of the Slavonic division, department of Modern Languages, became interested in preparing a special text for graduate students requiring a foreign language in their program.

With the support of President Johns and a presidential grant a manual was completed covering sixteen lessons of Russian grammar, supplementary material taken from Russian scientific journals, and a glossary.

It is anticipated that "Russian for Science Students" will be in great demand throughout the British Commonwealth and the United States when it appears shortly on the bookstands.

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A highlight of the annual alumni meeting at U.A.C. was the presentation of an Alumni Fund cheque for $5,000 to Principal Malcolm G. Taylor for the purchase of 1,000 books in the field of South American and African studies. Alumni President S. R. Rogers, right, is seen making the presentation to aid the new library on the Calgary campus on behalf of Alberta graduates everywhere who annually support fields of study and development on the three campuses.

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Mr. A. G. Markle
Alumni Association
University of Alberta
Edmonton, Alberta

May 5, 1961

Dear Mr. Markle:

I am writing to convey to you by letter what I said to you and the members of the Alumni Association last Saturday on the occasion of your most generous gift to the library of the University of Alberta, Calgary.

As you are aware, the task of establishing an adequate library in a new University is an extraordinarily large one, and despite a generous increase in our library appropriation this year, we will be greatly in need of books for a long time to come. Accordingly, your gift of approximately 1,000 books is one of the most useful contributions that could be made.

Your idea of designating that the books be selected in the area of International Relations is especially attractive in this era when students of every discipline need to know more of the world beyond our borders. Furthermore, the wisdom of your recommendation that special emphasis be given to Africa or South America is being borne out daily as rapidly-moving events bring these hitherto-neglected areas into the forefront of international consideration. Your choice, therefore, is a most timely one and you and your Alumni may have the deep satisfaction of making a continuing contribution not only to our own students but to what we all hope will be greater amity among nations through an increase in knowledge and understanding.

On behalf of the faculty and future students, I do extend to the University of Alberta Alumni our sincere thanks.

We do hope that we will have the opportunity of welcoming you again to our campus in the near future.

Yours sincerely,
Malcolm G. Taylor
Principal

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is a tangible expression of an alumnus' pride and faith in his University. It expresses a conviction that our society can only be protected for the future if our leading institutions of higher learning are financially strong. Finally it demonstrates a belief that voluntary support, generously offered by loyal alumni, is the surest means of enabling our universities to continue to provide their educational leadership.

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Mrs. C. Gee
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Miss Rae Milligan
Mrs. M. Mills
Earl Milton
D. H. Minchin
Miss E. Montgomery
Miss J. Moser
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Michael W. Myronyk
Miss S. Nelson
C. T. Oddie
R. E. Olsen
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P. N. Pisko
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Miss J. D. Regchr
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Anthany Santiago
E. W. Schaefer
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R. M. Watson
Mrs. R. A. Wilkinson
Dr. J. M. Wright

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M. T. Toupin
A. H. Wachowich
Dr. & Mrs. M. Wade
Mrs. D. W. Wahl
H. E. Wahl
R. J. Walker
Miss E. Willison
B. H. Wilson
A. R. Wright

1958

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John T. Alexander
D. E. Badger
H. A. Baird
Miss R. Brady
Mr. & Mrs. C. R. Brine
Mrs. J. R. Cartwright
S. Christensen
Robert J. Clark
Dr. & Mrs. D. M. Collinson
Dr. J. B. Corley
Dr. C. R. Cousineau
Mrs. M. Delany
Ross A. Denham
P. M. Feschuk
Miss D. R. Flesher
Miss G. Garrison
Miss R. F. M. Gaughnout
S. R. Gilbert
Mr. & Mrs. P. Gill
G. C. Hartson
Miss B. J. Harvie
R. C. Hutchinson
Miss A. Janz
B. Johnson
Miss K. F. Johnston
L. E. Kelly
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F/O M. B. Laberge
Miss J. Learmouth
Lt. J. R. Liss
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D. E. Longley
Miss P. McCleary
R. C. Macdonald
R. L. McDonald
James McKeage
Miss P. J. McNeill
Donald W. Magnidge
Dr. & Mrs. J. Marko
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Miss M. Matoba
W. Melnyk
A. P. Millar
Dr. & Mrs. H. F. Morrish
John M. Neely
L. R. Nixon
Wm. Ogrodnick
R. Orlick
E. W. Plum
Miss A. Proden
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Mrs. Wm. K. Roscoe
Miss Mona Rugland
N. S. Semenuk
R. A. Silstrom
W. J. Slater
Miss B. F. Smith
L. E. Snell
Miss D. Synder
Mr. & Mrs. D. H. Spraque
Richard A. Stein
John H. Tymchuk

1959

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Miss D. Bacon
Miss L. Bayly
N. G. Berndtson
J. A. Berezowsky
R. W. Bide
N. Boleychuk
H. J. Bolton
N. P. Bradley
A. Bredenfeld
J. G. Buchanan
K. R. Burbidge
Miss K. Burgess
L. P. Burns
Mrs. A. Cameron
Miss F. M. Campbell
Miss M. Castelli
H. F. Cerezke
Dr. J. P. Cheveldave
Mr. & Mrs. F. D. Clanfield
Miss J. B. Daley
B. Davis
Miss K. Day
Dr. R. J. Dinning
Miss E. Doktor
Jack Doluish
P. Dowhaniuk
Martin Dzidrims
Miss E. M. Eiben
Miss M. Elwell

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continuing strength of a university rests with its alumni . . . they are the keepers of tradition, preferred stockholders of the enterprise, the mark of its accomplishment.

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B. L. Potter
B. E. Quirin
P. Saravyn
S. A. Schmaltz
Dr. L. D. Sheppard
E. Skattbo
Capt. G. W. Small
Miss M. A. Staples
Miss A. Strack
Miss A. M. Tennant
D. C. Williams
Dr. C. J. Yaskowich
Mrs. C. G. Zarkados

1956

W. Abercrombie
H. G. Basler
Basil Benger
Mrs. A. Bettorf
R. W. Bradley
R. A. S. Brown
F. T. Buck
E. E. Budzinski
P. E. Connell
F. Danelesko
S. H. Fraser
Miss Ruth Geddes
S. R. Gould
Orest Grekul
Miss M. M. Hango
Dr. W. F. Hanna
S. W. J. Harper
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D. J. Hemphill
T. K. Hertel
F. Hilderbrandt
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Mrs. D. Keys
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Mrs. E. Lazoruk
Wm. Luka
Miss F. K. McArthur
Dr. W. C. McCalla
E. H. MacCosham
Mrs. C. C. McCutcheon
Mrs. W. MacKenzie

1957

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Lorne R. Baker
Mrs. L. Bell-Moore
V. Brecks
Dr. J. H. Bridges
Mr. & Mrs. Neil Boyd
D. M. Buchanan
Cyril F. Carter
Mrs. M. E. Campbell
Robert Cromarty
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S. G. Deane
Mr. & Mrs. R. B. Erb
Allan B. Fox
H. Frank
Miss E. Funk
Mrs. W. Germaniuk
Mr. & Mrs. E. C. Godfrey
R. E. Graham
Miss H. Hreherchek
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William Kay
H. N. Klingbeil
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D. R. Ferrier
J. J. Fortier
J. E. Foster
Miss H. Fuchs
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Robert K. Gobel
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N. A. Harris
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John P. Jenkinson
Miss B. Johnstone
Miss D. Kinlock
K. N. Klimchuk
Kenneth N. Kittridge
H. Klukas
Mrs. M. A. Knox
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A. N. Koskowich
H. G. Kraus
M. W. Krywaniuk
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Miss A. F. Kurst
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Neil G. Miller
J. Moshurchak
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G. Patsula
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Miss J. Tremblay
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Robert Walker
R. Walker
J. D. Welykholowa
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Miss Pat Winnick
Mrs. D. A. Young
S. M. Zuk

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Miss C. Hauver

10920 - 70 Avenue
Edmonton, Alberta
May 12, 1961

The University of Alberta Alumni Association
Mr. A. Markle, Secretary
Students' Union Office
University of Alberta

Dear Mr. Markle:

I wish to acknowledge receipt of notification of A University of Alberta Alumni Association Intersession Bursary valued at eight hundred dollars.

I wish also to thank the University of Alberta Alumni Association for this award which will enable me to continue my studies in English and further research on my thesis.

Sincerely,
Derril C. Butler

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Miss M. L. Heathcote
Miss A. S. Heiberg
Don Hepburn
B. S. Higgs
S. D. Hogan
R. K. Hole
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D. L. McCallum
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Dr. Wm. Nikiforuk
Dr. H. L. Nix
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Samuel Sereda
Wm. Sereda
W. R. Settle
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Dr. E. G. Shearer
Mrs. A. E. Shiels
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Dr. & Mrs. Herman Siemens
Dr. A. M. Simpson
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Dr. A. M. Soklofske
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Rev. G. W. Spady
Prof. B. Springbrett
Dr. & Mrs. J. C. Sproule
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R. M. Stanley
Chas. E. Stauffer
Dr. O. Stechishin
Dr. C. R. Stelck
Mrs. H. B. Stelfox
Dr. A. Stewart
M. D. Stewart
Wm. Stroschein
Dr. & Mrs. W. R. Stuart
A. M. Tallman
J. J. Taylor
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Mrs. L. B. Thomson
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Dr. & Mrs. R. J. Zender

THE STUDENT . . .

of today is the alumnus of tomorrow. An alumnus is not merely a name on a card but a personality who deserves and demands recognition.

Dr. Henry M. Kreisel assumed the post of head of the English department at the University of Alberta June 1.

He succeeded professor J. T. Jones who joined the University staff in 1922 and was made chairman of the department in 1953. Prof. Jones relinquished his administrative duties in order to devote more time to research.

Research Funds

It is estimated that sponsored and assisted research in the universities cost the federal government about $8 million in 1958-59 and $10-11 million in 1959-60. Chief sources are the National Research Council of Canada, the Defence Research Board and the Department of National Health and Welfare. Smaller amounts are spent for this purpose by the Atomic Energy Control Board, the Department of Agriculture, The Canada Council, the Department of Mines and Technical Surveys and Atomic Energy of Canada Ltd.

Federal funds specifically assigned for research in universities add greatly to the resources available for scientific investigation but do not contribute to the payment of general operating expenses. Indeed, they do the opposite because they are calculated to defray only direct, not indirect costs.

—C.U.F. report

44 Countries Represented— 219 Foreign Students Here

The University of Alberta campus had a distinctly international flavor in 1960-61.

A total of 219 foreign students, representing 44 countries, were enrolled in almost every faculty, department and division. This represented almost three per cent of the total Edmonton campus registration of 6,294 full-time students. The Calgary campus, which had a total registration of 1,082 students, had eight foreign students.

India had the largest representation with 32 students followed by the United States with 27 and England with 21. Other major countries represented were Scotland, Pakistan, Hungary, Germany, Turkey, Poland, the Phillippines, China, Italy, France, Japan, New Zealand and Austria.

These foreign students represent only a small portion of the hundreds who apply each year for entrance. Only a top few are now being accepted due to the demand. For example, the 32 Indians on the campus this year represent only about 10 per cent of the total applications received from that country in the last two years.

The University of Alberta is attracting some of the better international students, especially from the United Kingdom and the United States. This is due to the University offering an increased number of graduate studies, and as good a program of scholarships and assistantships as any other Canadian university. This program is superior to most U.K. universities and competitive with many good U.S. universities.

Did you know?

That the Alberta Alumni Association through contributions to the annual Alumni Fund has already assigned a total of $20,000 *to the student residences program on the Edmonton campus. Their pledge is for* $100,000, *to be met over a period of ten years.*

22nd Annual Meeting . . .

General Alumni Association

There was something out of the usual about the 22nd annual meeting of the General Alumni Council held this spring on the University of Alberta campus, Calgary.

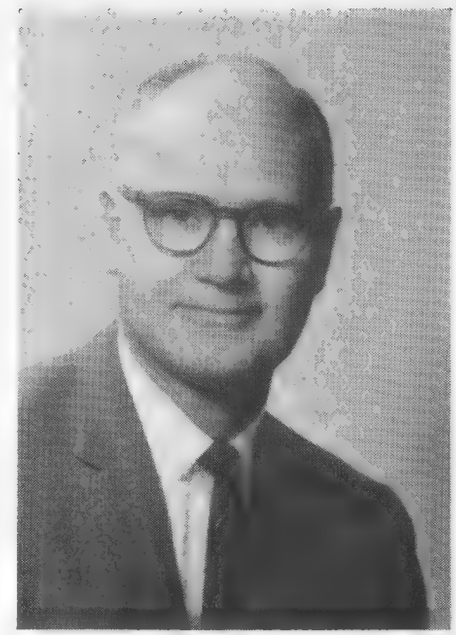
Some 25 delegates representing 21 alumni units across Canada were in attendance for the day-long proceedings which dealt with G.A.A. programming and the allotment of funds received by the Alumni Fund 1960-61.

At a noon luncheon councillors and their wives were the guests of the Board of Governors of the University, at which time Dr. Malcolm G. Taylor, Principal of the Calgary campus spoke on the history, scope and the future of the new institution of higher learning. Several presentations were made. The Burgess Alumni Trophy for the best all-round alumni branch in 1960-61 was presented by the donor, Bruce Burgess, for the second time to Bill Begg, President of the Vancouver Branch. Special merit awards were presented by President S. R. Rogers to the Nurses' Alumnae Association, represented by Mrs. A. Ward, for the best alumnae interest meetings, and to Dr. Venor Calhoun, President of the Dental Alumni Association, for the best undergraduate recognition project.

After enjoying a successful year it was a particularly pleasant assignment for the general council to approve the recommendations of the Alumni Fund Trustees committee. They were that $5,000 be placed with the University of Alberta, Calgary, for the purchase of library books required in the field of general international relations with special emphasis on African and South American studies.

Under the heading of aid to students, $800 was assigned as an intersession assistance grant to a post-graduate student in the faculty of graduate studies who would be engaged this summer in advanced work in the field of the humanities or social sciences.

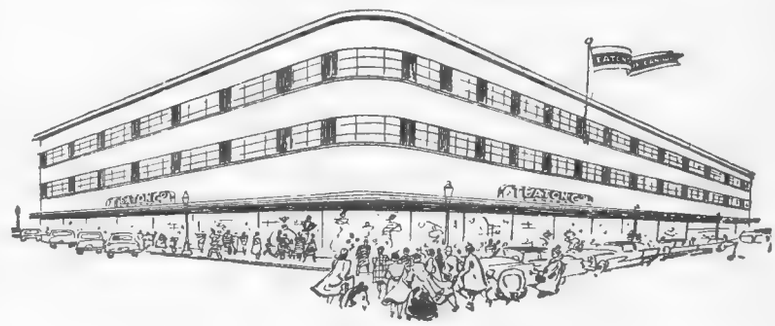
Finally in the field of University promotions, $500 was allocated to a joint Alumni Association-University Extension public relations project incorporating the production of 35mm. filmstrips designed to bring the University closer to the community and particularly to the attention of prospective undergraduates, future members of the academic staff, and alumni.



At the 22nd annual meeting of the General Alumni Association Haughton G. Thomson, partner in the firm of Winspear, Hamilton, Anderson and Company, Edmonton, was installed as President of the G.A.A.

During his term of office Mr. Thomson will oversee the programming of the G.A.A. for 1961-62 and the conduct of the Alumni Fund.

EATON'S OF CANADA



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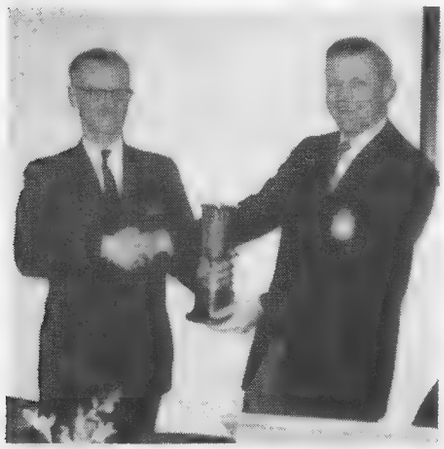
EDMONTON CANADA

There was a representative turnout of alumnae at the annual meeting of the G.A.A. Several of them found time to reminisce in the coffee lounge in the Arts and Education Building on the Calgary campus. Left to right they are: Mrs. Mae Myhre '56, Victoria; Mrs. Josephine Ward '26, Edmonton; Miss Melvina Gowda '52, Edmonton; Miss Roberta Moreland, Edmonton; Mrs. Ruth Mattheis '58, Calgary; Mrs. Doris Jewell '43, Red Deer.

Proudly displaying an alumni merit award for the best undergraduate recognition project in 1960-61 is Dr. Venor Calhoun, President of the Dental Alumni Association. He is shown receiving congratulations from S. R. Rogers, President of the G.A.A.

Shown shaking hands with S. R. Rogers, President of the General Alumni Association, is Mrs. Josephine Ward '26, who, on behalf of the Nurses Alumnae, accepted an alumni merit award at the annual meeting for the best alumnae interest meetings in 1960-61.



There were smiles all round as Bill Begg '34, President of the Vancouver branch of the G.A.A., stepped forward in Calgary at the noon luncheon to accept from Bruce Burgess, donor, the Burgess Alumni Trophy for the best all-round alumni branch in 1960-61. This was a repeat performance for the Vancouver unit who held the cup last year.

Moments . . . at the

Annual Meeting

Seen in animated conversation over coffee at the general meeting of the G.A.A. were left, Bill Begg, Vancouver; President S. R. Rogers; Harry Mather, Winnipeg; and Bob Moore, Ottawa.

The auditor's report was a major item on the day's agenda. Haughton Thomson reviews receipts and disbursements with President Rogers in the chair.

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As a fitting conclusion to the 1960-61 academic season the final major production of Studio Theatre was the Alumni Players presentation of Maxwell Anderson's amusing play, "Barefoot in Athens".

The play re-created the sunny spirit of Athens in the fifth century B.C. It followed the account of the last days of Socrates who frustrated his wife and confounded his neighbors by insisting on his right to walk Barefoot in Athens.

Dr. H. E. Gunning, head of the department of chemistry, has been appointed to the National Research Council for a three-year term.

At a recent meeting in the south of the province ,**Dr. C. F. Bentley,** dean of the faculty of agriculture, outlined the new faculty curriculum program that will become effective in September. It has been designed to produce agricultural graduates possessing superior specialist qualifications. The changes were made so as to reduce the amount of time taken in courses required of all students. Dr. Bentley said the result would be that students would have a greater freedom to take courses along the line of their particular interests and therefore become specially qualified in that field.

Pharmacy students are not to be faced with an one-year increase in required study until the fall of 1963.

The fourth year, available then, will offer specialized training in pharmaceutical retailing, hospital work, and science.

Three medical professors recently received grants for research in heart disease. They are **Dr. F. R. Calaresu,** department of physiology and pharmacology; **Dr. E. C. Elliott '57,** department of surgery; and **Dr. R. F. Shaner,** department of anatomy.

A medical research associateship sponsored by the Medical Research Council of Canada has been awarded to **Dr. Demetrious Triantaphyllopoulos,** a research worker in the faculty of medicine.

He has been studying, among other aspects of the function and diseases of the blood, a factor which prevents clotting. This factor may be liberated in certain disease states which are associated with a bleeding tendency.

Dr. T. M. Penelhum has been awarded a $4,500 Canada Council post-doctoral fellowship to allow him to continue research in philosophy.

He was one of eleven university teachers across Canada to receive the award. Mr. Penelhum is currently teaching philosophy at the University of Michigan in Ann Arbor on a one-year visiting lectureship.

He will return to Edmonton this spring, stay the summer, and then leave for England at the end of August. Mr. Penelhum plans to do research in philosophy at the University of Oxford for one year.

His area of study will be "an extensive treatment of the problem of personal identity," an area in which he has already published several articles.

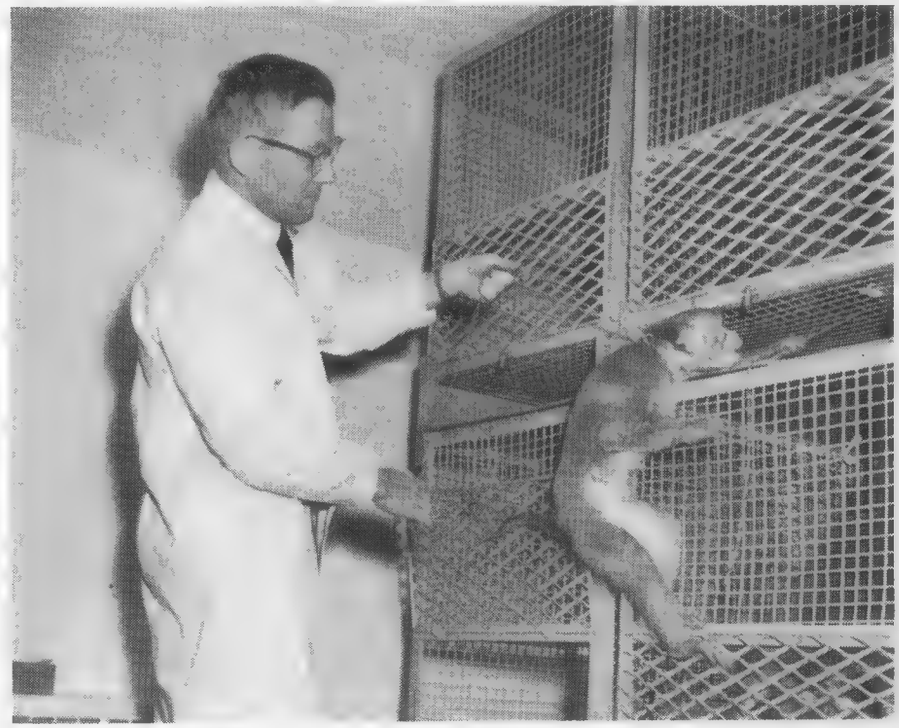
Dr. W. C. Wonders, head of the department of geography, has been named president of the Canadian Association of Geographers for the coming year. He is currently chairman of the awards committee, and has served as a councillor with the same professional association.

Geography has developed at the University of Alberta to the point where graduate work was offered this year for the first time. The first master's degree in geography was awarded at Spring Convocation.

Dr. Wonders is chairman of the directorate of The Boreal Institute and last summer visited northern institutes in Scandinavia and Britain on a Canada Council grant. He has just returned from a trip with the R.C.A.F. into the Queen Elizabeth Islands of the Canadian Arctic, including a visit to the Polar Continental Shelf Project.

Prof. William G. Corns, professor of crop ecology, has been appointed head of the department of plant science succeeding the late Dr. J. Unrau.

Dr. Corns received his B.Sc. and M.Sc. degrees in agriculture from the U. of A. in 1942 and 1944 and subsequently a Ph.D. degree from the University of Toronto in



Accommodation is provided for the research endeavours of the staff in the laboratories of the anatomy department of the Medical Sciences Building. Investigations into mammary gland cancer and the uterine cycle require experimental animals. Monkeys are used in the study of the sexual cycles of primates.

1946. He was appointed to the U. of A. staff the same year and attained the rank of full professor in 1956.

Dr. Corns is married to the former **Mary Hastings '43.**

A general broadening of course offerings at the University of Alberta, Calgary, is planned for the 1961-62 term.

About 32 professors and lecturers will be appointed to facilitate new courses and expansion of courses already offered.

Expansion will mean that U.A.C. can provide the first two years of the commerce degree program. Anthropology and political science courses will be offered for the first time, and a language laboratory will be established.

Broadening of the commerce program involves U.A.C.'s first full-time appointment in business administration, addition of a professor of psychology and a sessional instructor in law.

An art instructor will be added to the fine arts department to expand offerings of that department and to enrich the offerings in the faculty of education.

Another assistant professor of history will be appointed to expand the program in Canadian and American history.

Planned appointments provide for expansion of courses in almost all departments at U.A.C.

Six U.A.C. professors will be on leave for the coming term, and three will be returning from a year's leave.

Included in the latter group is **Lou Goodwin,** head of the physical education department, who has been studying at the University of Washington.

His return coincides with the planned opening of the new gymnasium on the campus. The gym, now under construction, will cost about $1,000,000.

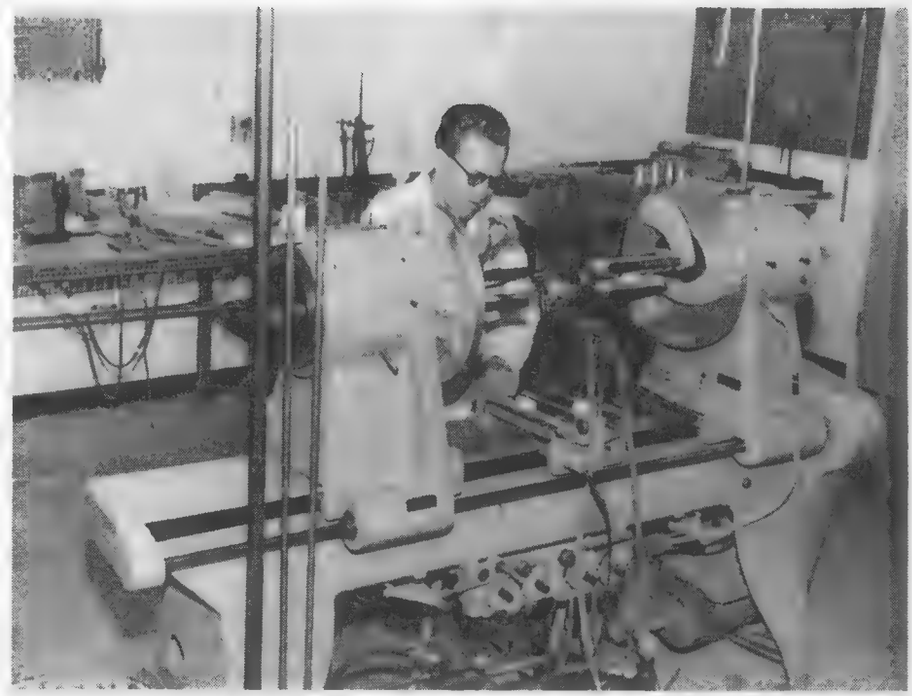
A. E. D. Schonfield, associate professor of psychology at the University of Alberta, Calgary, has been named winner of a Canada Council short-term social science grant.

He is one of 52 Canadians receiving grants which will assist research in history, political science, psychology, sociology, economics, geography and law.

Mr. Schonfield left for Sheffield in May, where he will be studying "correction of mistakes in learning machines." Before returning to Calgary in September he will also attend an international congress on applied psychology in Copenhagen.

Other Alberta grant winners were **F. D. Blackley, A. L. Murray** and **B. R. Bociurkiw,** all of the University of Alberta, Edmonton.

Physics Workshops



A physics department cannot be operated without well-equipped and well-staffed workshop facilities, since a great deal of the research equipment has to be specially designed and built. Many of the experiments used in the undergraduate teaching laboratories can also be profitably constructed on the premises... The Physics wing has a large, well-lighted machine shop, a smaller woodworking shop, a glass blowing shop equipped with the most modern type of glass blower's lathe, and an electronics shop with a wide variety of test equipment. There is also a small machine shop which graduate students are permitted to use, and another for the use of the laboratory assistants in the teaching laboratories. In addition, several of the major research projects have their own technicians, with some shop facilities.

'19

The Hon. S. Bruce Smith has been named a chief justice of the Alberta Supreme Court. He succeeds the **Hon. Clinton J. Ford** '53 who retired recently at the age of 75.

In addition to being chief justice of Alberta, Chief Justice Smith is also president of the appellate division of the Alberta Supreme Court.

'20

E. W. S. Kane was recently appointed a justice of the Supreme Court and a member of the appellate division.

'25

Dr. M. E. LaZerte was recently named a fellow of the Canadian College of Teachers.

Abe W. Miller has been appointed to the newly-formed scientific research advisory board for the Canadian Association for Retarded Children. Purpose of the board is to foster research and facilities for retarded children.

T. P. Devlin has been appointed chief agricultural officer for the Canadian National Railways. Formerly assistant director of colonization and agriculture, Mr. Devlin will continue to make his headquarters in Winnipeg.

'27

Dr. Frank F. Tallman has produced a book entitled "Treatment of Emotional Problems in Office Practice". Dr. Tallman is presently professor of psychiatry, School of Medicine, University of California.

'30

A former Edmontonian and son of a pioneer in the Salisbury district, **George V. Haythorne,** has been appointed deputy minister of labor. Mr. Haythorne has served as assistant deputy minister since 1953. Widely travelled, Mr. Haythorne has represented Canada at world and Commonwealth meetings dealing with labor economics.

'31

Donald Becker has been appointed assistant director of the Banff School of Fine Arts. He will be in charge of operations and maintenance at the school. **J. C. K. Madsen** '39 will continue as assistant director in charge of programs and promotion.

'36

W. A. Cairns has been appointed superintendent, Warfield Department of C.M. and S., chemical and fertilizers division. Mr. Cairns joined C.M. and S. in 1936.

'39

R. H. Nicolson has resigned as assistant city engineer to become a private consultant with Associated Engineering Services Ltd.

'42

Mrs. R. S. Trussler has been elected president of the Alberta Home Economics Association.

'43

Dr. R. Cameron Harrison, professor of surgery and director of surgical research at the U. of A., recently received a citation from the American College of Surgeons for his film dealing with duodenal ulcer problems taken last year at the University Hospital.

'44

C. F. Ripley, recently returned from Japan, addressed a group of engineers in Edmonton on the work of their counterparts in the Orient.

'45

Dr. C. F. Bentley, dean of the faculty of agriculture, received the outstanding achievement award of the University of Minnesota held on the St. Paul campus recently, The award, voted by the regents of the University of Minnesota, is reserved for former students of the institution who have attanied high eminence and distinction.

'47

Dr. R. Kenneth Lobb of Kensington, Maryland, has been appointed program chief at the Naval Ordinance Laboratory at Silver Springs, Maryland. In his new position Dr. Lobb will direct the planning of

Each spring the G.A.A. plays host to a new group of alumni class representatives chosen from the graduating classes in each school and faculty on the campus. Seen in the north room of the Cafeteria after dinner along with members of the resident alumni executive of the G.A.A. are senior students selected by their classmates to represent them in perpetuity. Seated left to right: Doug Dale, mechanical engineering; Haughton Thomson, vice-president; Janet McPherson, physiotherapy; Bob Rogers, president; Bev Simmons, education; Melvina Gowda, alumnae representative; Alex Markle, alumni secretary. Standing left to right: Ken Andersen, mining engineering; Ted Webb, petroleum engineering; Al McKenzie, senior class chairman; Andrew Stewart, medicine; Jim Wilson, electrical engineering; Don Carley, pharmacy; Ken Campbell, commerce.

the laboratory's research and development program in aerodynamics and ballistics.

William Lazaruk recently received a Ph.D. in horticulture from Rutgers University, New Jersey. He is currently teaching at High Point College.

N. M. Purvis, a superintendent in the department of education since 1948, has been named associate director of curriculum.

'48

Dr. D. B. Black is serving a second term as vice-president of the board of directors of Psychological Services of Canada Ltd. Psycan supplies psychological and educational tests to schools, business and industry in Western Canada.

Dr. H. M. Herlihy represented the University at recent installation ceremonies at the University of Chicago.

Dale C. Thomson has been presented with the 1960 literary award of the Women's Canadian Club of Toronto for his book, "Alexander Mackenzie, Clear Grit". Mr. Thomson, assistant professor of political science at the University of Montreal, has since been awarded a research fellowship by the Canada Council to enable him to study political systems in Commonwealth countries.

'49

V. L. Horte has been elected a director of the Alberta Gas Line Trunk Co. Ltd.

Dr. Kenneth Grierson has been appointed psychologist and supervisor of special educational services for the Edmonton Public School Board.

Ralph M. Rookwood, former provincial government director of town and rural planning, now in England, will present a series of lectures on Canadian planning to the Universities of Liverpool, Manchester and Birmingham. Mr. Rookwood is a member of the planning commission, Cambridge, England.

Stanley Norris, assistant professor of science education at the University of Alberta, Calgary, has been named one of two winners of senior residency awards for post-graduate study at an American university.

'50

Earle J. Klohn has received the $1,000 Alfred A. Raymond Award for his paper on pile-driving problems in British Columbia.

John A. Mutchmor received a Ph.D. degree this spring from the University of Minnesota.

Howard B. Singleton is in Laos as political advisor to Leon Mayrand, Canadian commissioner on the international truce commission which will police the cease fire.

In a recent issue of the Calgary Herald **Jo Cormack** was written up extensively and referred to as 'Calgary's pantomime lady'.

'52

A. J. Clark has left for Port of Spain, Trinidad, where he will assume the position of comptroller for Dominion Oil Limited.

Mr. and Mrs. Raymond C. Anderson and their children were in Edmonton recently after leaving Sao Paulo, Brazil, where Mr. Anderson had concluded a tour of duty for the Canadian department of external affairs.

'55

Paul Chrumka has been named Calgary's fourth active Crown prosecutor.

'56

David Smith of Edmonton has joined the staff of the Dominion Experimental Farm at Beaverlodge.

Ron Ghitter has been named professional at the Calgary Tennis Club.

Ronald I. McKinnon received his Ph.D. degree recently from the University of Minnesota.

'57

Gary Purdy has been awarded a $2,200 National Research Council studentship to continue studies towards a doctor's degree in engineering at McMaster University.

H. A. Wallin was recently elected president of the Alberta Teachers' Association council on school administration.

'58

Hutchinson Shandro, former actor with Studio Theatre on the campus, has been accepted into a professional Shakespearean acting troupe in California for the summer season. Mr. Shandro will join the troupe of the Ashland Shakespearean Festival, considered one of the foremost festivals in the U.S.A.

L. R. Tolman has been chosen to attend Montana State University for a summer program supported by the National Science Foundation Institute in Biology.

'59

George J. Barneholtz has joined the staff of the chemicals research division of Esso Research and Engineering Company.

Lawrence Burns is conducting research into Alberta irrigation for the Glenbow Foundation of Calgary.

Morton Brown, 1959 Rhodes Scholar from the U. of A., has been awarded the Frank Knox Fellowship to attend Harvard University where he will study for a doctorate in political science.

'60

Calvin R. Evans has been awarded a National Research Council scholarship which will enable him to continue his studies towards a doctorate degree.

When 28-year-old **Odette Charron** arrives for work in the morning, a grilled steel door swings shut behind her and is locked.

The slim brunette's place of employment is the St. Vincent de Paul penitentiary near Montreal and her recent appointment to the medium security Leclerc institution made her the first female federal prison psychologist in Canada.

She says that being a woman is neither an advantage nor a disadvantage in her work.

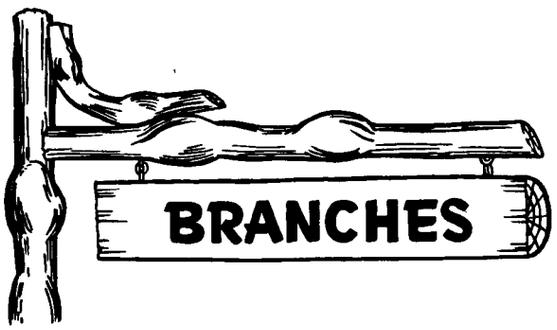
"People, I think, will discuss family problems more readily with a woman but it's really incidental. I can't understand why they haven't used women psychologists before."

MARRIAGES

Miss Joan S. Bibby '58 to **Dr. D. R. Stanley '40**
Miss Sandra M. Easton to **Carman H. Brooks '61**
Miss Valerie J. Macdonald to **Dr. John N. Chappel '55**
Miss Christel Nuthack '58 to **George R. Klompas '59**
Miss Lydia Paush '56 to Donald A. Kasianchuk
Miss Miriam B. A. Potter to **Benjamin A. Laidlaw '60**
Miss Myrna C. Roose to **Dr. Leslie M. Dushinski '60**
Miss Margery E. Rowbotham '49 to **Dr. John H. Wall '51**
Miss Ruby D. Sass '60 to Enos Lamprecht
Miss Elsie Scherban '57 to Peter Haley
Miss Sally J. Shortliffe '61 to Gilbert A. Stelter
Miss Natalie Skrepneck '58 to **Robert Schnell '60**
Miss Ruby E. Smith to **Gary R. Purdy '57**

DEATHS

James D. Adam '22—well-known Vermilion barrister.
Dr. Adolf J. V. Lehmann '25—former research chemist at the U. of A. and associate professor of biology at the University of Toronto.
John Hull '48—former mayor of Fairview and prominent sports enthusiast of the Peace River country.



Ottawa

During the past few years it has been the Branch's custom to hold its annual meeting in the form of a buffet supper in order to allow new and old friends to meet before and after the repast, which is usually followed by a speaker. The meeting is timed to coincide, if at all possible with a visit from someone on tour from the home stamping round, or newly arrived in the capital city. As this was not possible this year, the Branch was most fortunate in having one of our illustrious brethren, not too far removed from home pastures, in the person of Dr. Andrew Stewart, as its guest speaker at its annual meeting held in the No. 9 Transport Company, R.C.A.S.C., Officers' Mess.

Dr. Stewart spoke briefly about the changing face of universities as they are increasing in size and numbers and then went on to explain the intricacies of the organization of the Board of Broadcast Governors, of which he is chairman. His discourse was most interesting and was followed by a lively question period which allowed us to air some of our impressions of radio and TV programmes. Some 56 members were present but it is hoped that we shall be able to get back to the 100 mark next year.

Another highlight of the year was a visit from Alex Markle on February 6. The Branch was sorry that its annual meeting could not be arranged at this time, but a most interesting and informative evening was enjoyed by members of the then acting executive and the executive of the year preceding. Following a short business meeting, Mr. Markle brought us up to date by means of an excellent assortment of slides and a short address on present campus developments and hopes for the future. The latter was graphically represented by slides of scale models of projected developments.

Our Branch was ably represented by President Carl Ivarson and Secretary Margaret Lang in assisting with arrangements for the University Alumni Association of Ottawa Ball held in the Chateau Laurier on February 24, at which the dinner speaker was Dr. Norman MacKenzie, President of the University of British Columbia.

The executive is well pleased with arrangements to send notices of Branch events to members by way of the General Alumni Association and wishes to thank the Executive Secretary and his staff for all their help during the past year.

The Branch's present membership stands at 284.

Vancouver

During the past twelve months, the Vancouver branch has remained active and it is our hope that throughout our activities we have been able to stimulate the interest of the graduates in our area.

At the annual meeting held in March, 1960, some 70 persons were in attendance, 54 of whom were graduates of our University. At this meeting Bruce Burgess, then President of the General Alumni Association, addressed our meeting, and his inspired talk to us was most helpful to the executive in spurring us on to accomplishing even more in the direction of stimulating alumni interest.

Between our 1960 and 1961 Annual Meetings, several executive meetings were held, and it was the opinion of the executive that we should continue to endeavour to develop interest in inter-university sports events, in which U. of A. teams would be competing in Vancouver. Additionally, our executive continued to contact graduates within our area, to stimulate their interest in our branch. We also continued our interest in trying to keep our membership list up to date both for our own use and for the guidance of the executive secretary to the Association.

The annual football game in Vancouver between U. of A. and U.B.C. was considered to be the main focal point of inter-university sports so far as our membership was concerned. Our executive were mindful of the interest displayed when we sponsored a block of seats at the 1959 game between U. of A. and U.B.C., and it was the unanimous opinion of the executive that a trophy be put up for annual competition in Vancouver between these two teams. As a result the "Rainbowl Trophy" donated by the Vancouver branch was awarded, for the first time to the U. of A. Golden Bears in October last, for their fine victory over U.B.C. Thunderbirds.

Following the Annual football game, a reception was held at which some 70 persons were present, including the coaching staff of the Golden Bears.

During the latter part of January, the U. of A. hockey and swim teams were competing in Vancouver and the executive of the Vancouver branch made arrangements to take the members of the teams on a sight-seeing drive of Vancouver. Inclement weather marred our tour to a degree, but the various team members were taken on a somewhat restricted drive.

In March our 1961 annual meeting was held at the Faculty Club, U.B.C. Dr. Malcolm Taylor, Principal, University of Alberta, Calgary, was a most interesting and charming guest speaker. Some 70 persons attended the annual meeting, followed by a buffet dinner attended by the executive and Dr. Taylor.

It is our hope that in the 1961-62 year we can not only retain the enthusiasm we have sparked, but go on to accomplish even greater things for the interest of our members and the University.

Medicine Hat

The Medicine Hat branch held its annual meeting on October 16th, 1960, at the home of Dr. Lyall Wyatt. Present at the meeting were Dr. Johns, President of the University, and A. G. Markle, Executive Secretary of the Association. Dr. Johns gave us a very interesting and informative talk on the progress of developments at the University and the future developments that he expected.

On March 3rd, 1961, the new executive had lunch with Dr. Cragg, Vice-President of the University, and had a very interesting meeting.

Our treasurer, Mr. Hambrook, recently moved from Medicine Hat to Calgary and his replacement has not as yet been selected.

The branch plans to hold a social function later on this spring and expects it will take place in the form of a barbecue or tea.

The alumni branch reports included on this and subsequent pages were those submitted by branch representatives at the 22nd Annual Council Meeting of the General Alumni Association.

Nurses' Alumnae

During the past year there were nine meetings of the Nurses' Alumnae Association held at the Nurses' Home with an average attendance of 30 members.

Our projects for the year were:—(a) Catering for two Graduation Receptions following exercises at the Jubilee Auditorium; (b) Alumnae Scholarship of $250.00 to Miss Charlotte Carter for study in B.Sc. Nursing course; (c) Alumnae Prize of $25.00 to intermediate nurse, Miss Achtimchuk; (d) Life membership to Mrs. R. B. Cox; (e) Presentation of Bible in memory of Miss MacLeod for Chapel; (f) Help at four Blood Donor Clinic sessions at Hospital; (g) Newsletter to all Graduates; (h) Directory in book form of all Graduates from 1926 to 1960; (i) Christmas Gifts of $15.00 each, to our nurse missionaries, namely Miss Frances Buckles, and Mrs. Allison MacDonald in India, Mrs. Samuel Marx in Central America and Miss Rita Boergen in Mexico; (j) Library Books on Nursing sent to India to Miss Buckles for the nurses Training Schools; (k) Annual Dance at Corona Hotel, March 17, 1961; (l) Presentation of Scissors and Memberships to Graduates of two classes; (m) Class of 1954 presented a painting for the Nurses' Home in memory of a classmate the late Miss Isla Smith.

Winnipeg

Two meetings were held in 1961. At the first on March 2nd we were honored with the presence of Dr. Johns at the time of his chairing of a Western Board of Music meeting at Winnipeg. We squeezed into his time-table a very enjoyable dinner with several of our members.

Our larger annual meeting was held on Thursday, October 20th, at the popular Wildewood Club. Al Barnard, our vice-president for 1960 had been transferred to Toronto in May; Marvin Seale our faithful secretary-treasurer was away in the U.S.A. taking his Doctorate, and I had a previous engagement that night. You can well guess who filled the breach happily and well—our good friend Art Larson.

There were 35 members present on October 20th, including the guest of honor and speaker—Dr. Walter Johns. Our speaker was well pleased with the relatively large gathering. We are only sorry that he had to rush through his comments in order to catch a train back to Edmonton.

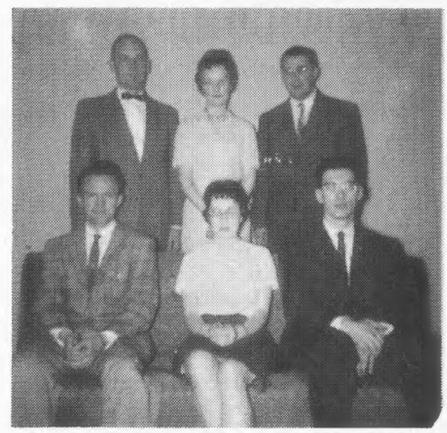
We revamped the membership list during 1960, and have attached a list of members which we believe is accurate and close to all-inclusive at this date.

Varsity Christian Fellowship

Early in the spring a Varsity Christian Fellowship alumni branch was formed by an interested Edmonton committee.

The group will take its direction from Walter Paetkau, a former member of the V.C.F. executive. The V.C.F. is constituted to foster the fraternal relationships established by the V.C.F. movement on the campus, to promote interest and support for the V.C.F. chapter of the U. of A., and to stimulate amongst students an attitude of inquiry and endeavor concerning Christian living and to uphold the welfare of the University.

V.C.F. has been active in Canada for 32 years and there has been a chapter at the U. of A. every year since 1930.



The V.C.F. branch of the G.A.A. has as its executive members, seated left to right: Walter Paetkau, president; Miss Joanne McRae, secretary; Ernest J. Afganis, treasurer. Standing left to right: Don Fair, Marilyn Plewes and Quentin Mix, all advisory members.

The V.C.F. branch incorporates in its membership all former members who affiliated themselves with V.C.F. while on the campus. A report of the V.C.F. organization and objectives is contained elsewhere in this issue under the heading of "Branch Notes".

The V.C.F. is anxious to contact as many former members as possible. They are urged to get in touch with Mrs. James Mabbott, membership secretary, Suite 39, 11620-79 Avenue, Edmonton.

Victoria

The last annual meeting was held in March at the home of Mr. and Mrs. R. Chard where a short business meeting saw the election of the present executive and the appointment of a representative to the annual alumni meeting. A most interesting lecture entitled "Man and the World Today" was given by Professor Sonet, a former member of the University staff. He also presented a short discussion on Voltaire.

The new executive has hopes of encouraging more interest in our branch activities and planned a regular series of meetings for the coming year. Meetings are to be held in October, February, May (dinner meeting) and July or August (picnic meeting). The executive would greatly appreciate information on anyone travelling to Victoria who might be interested in addressing our members.

Central Alberta

Following the last Annual meeting of the General Alumni Association, the local executive of the Central Alberta branch felt that steps should be taken to have the branch comprised only of graduates of the University of Alberta. The local Association was originally formed of graduates from all Universities and had been functioning in that manner.

Accordingly a social function was held in September, 1960, and in the process of arranging for this function and issuing invitations, an up-to-date mailing list of approximately one hundred Alberta graduates was compiled, and a great deal of assistance in doing this was received from the Edmonton office of the General Alumni Association. Professor McLaughlin was the speaker at the function and spoke on the new Physical Education Building on the Edmonton campus. The function was successful and there were approximately seventy Alberta graduates in attendance.

As a result of the success of the Fall function the local executive feels that the Central Alberta branch should continue to operate as an Association for only Alberta University graduates, and a further function is being planned for this Spring, at which elections will be held and a new executive installed.

Toronto

The activities of the Toronto branch over the past year have again been quite successful, although the major problem of attendance at our varous functions still remains with us. In an effort to increase interest and participation by alumni members in the Toronto area, our executive gave serious consideration this past year to the possibility of introducing a number of social events different than the traditional activities. One outcome was a rather successful dinner dance with guest speaker instead of the traditional dinner and guest speaker. A second change, seriously considered, was to replace the Spring Tea in May by a family picnic. However, at a meeting of the executive on April 23, it was decided to carry on with the Tea because it was agreed that many of the alumni, particularly those getting on in years, looked forward to this opportunity of renewing acquaintances at that time. It was decided, however, because of the general interest in a family picnic, that the 1961-62 executive should give serious consideration to replacing the fall wiener roast with a picnic in which the children would also participate. It ap-

pears likely that this sort of outing will increase alumni interest.

The Spring Tea was held in the library lounge of the Household Science Building, University of Toronto on May 15, 1960. Approximately 40 persons were present for an enjoyable two hours. During the course of the Tea, Mr. Bruce Powe, 1959-60 President, reviewed the proceedings of the Banff Meeting of the General Alumni Association; and candidates for the 1960-61 Toronto Branch executive were nominated and officers elected.

The wiener roast was held at the home of Mr. and Mrs. Ben Tanner in Clarkson on October 1. There were 54 persons present to enjoy a late afternoon and evening of acquaintance renewing, as well as a horseshoe tournament, a golf putting match, a checker match, and in the cool of the evening a warm camp fire with suitable refreshments and excellent food.

The Dinner Dance was held on Saturday, February 4, in the International Room of the Skyline Hotel. In spite of the inclement weather, 53 persons were present for a very enjoyable time. The after-dinner speaker was Alex Markle, and his subject "A New Day at the U. of A.", with 50 slides in colour was the highlight of the evening.

From comments of members, it appears likely that the Dinner Dance will now become an annual event.

A successful Western Universities Dance was again sponsored by the Toronto branch Alumni of the four universities of the western provinces. In spite of a number of misgivings as to the possible succes of the dance this year, attendance was good and a profit of $255 resulted. This sum will probably be placed in an "emergency fund" in the event that a loss might be experienced in future years. Attendance figures, according to university, were as follows: University of British Columbia, 64; University of Alberta, 54; University of Saskatchewan, 256; University of Manitoba, 91.

A small profit was realized from the wiener roast, and a deficit, somewhat large in amount, from the Dinner Dance. However, the present bank balance of about $8.00 is approximately the same as at this time last year.

In closing this report may I express the appreciation of the Toronto branch for the excellent co-operation and assistance that we have received from Alex Markle and his staff.

Recognition should also be given to the fine efforts made by the Toronto branch executive and their wives in making the events this year a success. May our activities continue to grow and expand in the years ahead.

Graduate Students' Association

The Graduate Students' Association was formed in the autumn of 1959 by the graduate students at the University of Alberta. Since its inception the Association has tried to fulfill a two-fold purpose. First, to provide social interchanges between graduate students of differing disciplines, and second, to provide a unified voice in campus affairs for the members of the Faculty of Graduate Studies.

Through the activities of our welcoming committee all new graduate students accepted into the faculty are sent a letter of "welcome" and an information sheet about Edmonton and the campus. Out-of-province students are also sent a map of Edmonton. Many of the foreign students are met upon arrival, and whenever possible, help is given to them in finding suitable accommodation. Already 75 letters have been sent out this spring to newly accepted graduate students.

The Association has had an active year with membership now at an all-time high of 182. Increased participation and interest of the membership in the various activities of the Asosciation has been noted. This spring 13 candidates contested for four executive positions open for election. One year ago only 8 candidates contested these positions, while two years ago at our first election all but one position was awarded by acclamation. The office of president for 1961-62 will be filled by Ron Brown of chemical engineering, who served as our representative to the resident alumni executive last year while vice-president of the Association. Ron has been succeeded as vice-president and representative to the Alumni Association by Bill McMinn of the mathematics department. During the past year one of the major fields of activity has been foreign student relations. We have set up a joint committee with the Indian and Pakistan Students' Association to co-ordinate activities of mutual interest. At the suggestion of our Association to the Senate Committee on Student Affairs, a Foreign Students' advisor has been appointed by the University administration for next year. A special information sheet was published for all incoming students. This booklet contains information regarding laws peculiar to Alberta, special campus regulations, and general living needs (such as: location of banks, libraries, and shopping areas and their hours of business; information on medical plans; recreational facilities; etc.). It is available to any new student graduate or undergraduate, and we hope with time and financial aid to expand it to a handbook status. In February we held a highly successful Canada Night which featured a film about Canada, Canadian folk singing and square dancing, a small portion of Canadian food. Over 130 students attended. The profits from Canadian Night and a small subsidy from the Association treasury, amounting to $30.00 in all, were turned over to the President of Pakistan's Relief Fund for the victims of the tidal wave floods which occurred in East Pakistan last year.

The Association is fortunate in having excellent liaison with the various campus groups with which it must deal in serving the interest of the graduate student body. Through co-operation we have been able to do much more than would otherwise have been possible. We have secured summer medical coverage, full year gymnasium use, Student Union Building use, hospital coverage with no waiting period for non-Canadian students, and many other advantages for our membership during the past 2½ years.

We have especially enjoyed working with the Alumni Association and owe thanks to Mr. Markle and his staff for assisting us with secretarial work during the past year. Without their help the time spent in preparing newsletters, ballots, and meeting notices would have been much greater, and as any student, or former student knows, time is important to the student and his studies.

STU'DENT (stu'dent), n. (L. studens, -entis, pres. part. of studere to study)

1. A learner; scholar; esp. one who attends a school.
2. One who studies; an attentive and systematic observer; as, a student of life.

—Webster's Collegiate Dictionary

ALUM'NUS (alum'nus), n. masc.; pl. -ni (-ni); alum'na (-na), fem.; pl. -nae (-ne). L., a foster child, pupil, fr. alere to nourish.)

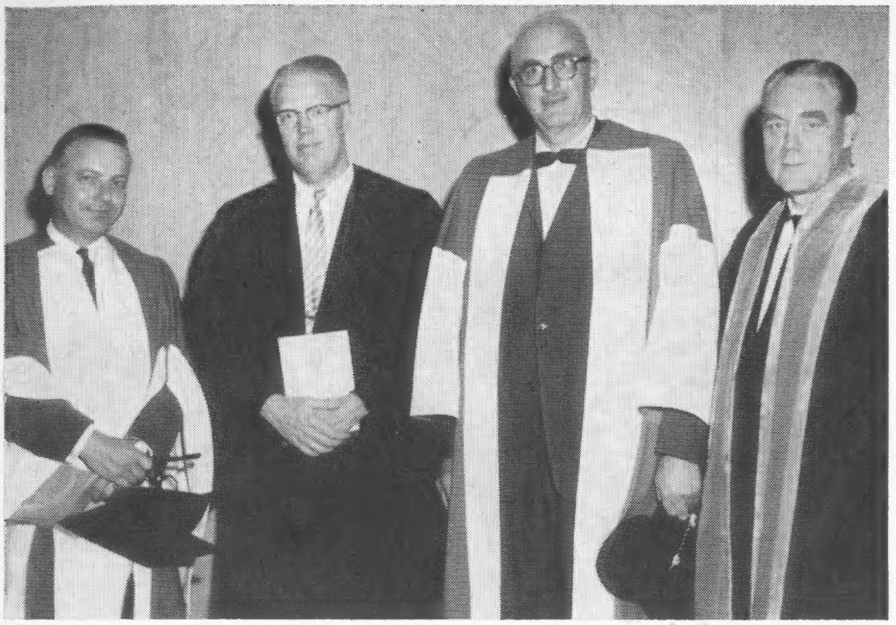
A member of a school or college class that has been graduated.

—Webster's Collegiate Dictionary

AL'MA MA'TER (al'ma ma'ter; al'ma ma'ter). (L.)

Literally, fostering mother, as Cybele, Ceres, etc., among the Romans. Hence (usually not cap.), one's university, college, or school.

—Webster's Collegiate Dictionary



PRINCIPALS AT MEDICAL-DENTAL CONVOCATION

Two distinguished graduates of the University returned to receive honorary Doctor of Laws degrees from their Alma Mater at the Medical-Dental Convocation held in the Jubilee Auditorium on June 2nd. Shown with the deans of the two faculties they were, left, Dr. W. S. Hartroft, professor and head of the department of pathology at Washington University, St. Louis, Missouri; Dr. W. C. MacKenzie, dean of medicine; Dr. H. K. Brown, dental consultant to the department of national health and welfare, Ottawa, who delivered the Convocation Address; and Dr. H. R. MacLean, dean of dentistry.

Wohlfarth Elected To Academy

Harry Wohlfarth, assistant professor with the department of extension, has been elected a full Academician and member of the German Academy of Color Sciences.

The appointment to the Bonn Academy was given in recognition of Prof. Wohlfarth's research work in colors, carried out over the past ten years. The Academy is a body of elected scientific and scholastic authorities whose aim is to co-ordinate research, to assist in research projects beyond the scope of an individual and to cooperate with similar academies in other countries.

Prof. Wohlfarth is the author of 23 papers which were published in scholastic journals in five countries. He is also a member of the editorial board for research publications of the Academy.

ALUMNI FALL HOMECOMING

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Friday, October 20th

- Homecoming Ball
- Macdonald Hotel
- Class Reunions
- Special Entertainment

Saturday, October 21st

- Overtown Parade
- Golden Bears vs. U. of S. Huskies (Campus Grid)

FALL ADMISSION

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New Deadlnies

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AUGUST 1—

All undergraduate programs except Law and Pharmacy.

AUGUST 15—

Law and Pharmacy.

AUGUST 31—

Graduate Studies.

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